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PW	AA	4,151,123	04/24/79	McCann, III	252	462	
. 1	AB	5,736,482	04/07/98	Durand et al.	502	303	
	AC	6,015,285	01/18/00	McCarty et al.	431	7	
V	AD	6,455,597	09/24/02	Hohn et al.	518	715	
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PW	AA	3752775	08/14/197	<sup>1</sup> 3	Yamaguchi et al.	252	464		,
	AB	4537873	08/27/198	5	Kato et al.	502	242		
	AC	4585752	04/29/198	6	Ernest	502	314		
	AD	4738946	04/19/198	8	Yamashita et al.	502	303		
	AE	4793797	12/27/198	8	Kato et al.	143	7		
	AF	4961786	10/09/1990	0	Novinson	106	692		
	AG	5837634	11/17/199	8	McLaughlin et al.	501	127		
	АН	6399528	06/04/2002	2	Krell et al.	501	80	03/0	5/2001
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) 2 of 4

Com	plete if Known
Application Number	10/706,645
Filing Date	November 12, 2003
First Named Inventor	Charles R. Rapier
Group Art Unit	•
Examiner Name	
Attorney Docket Number	1856-42801(40183)

		OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issued number(s), publisher, city and/or country where published.	T2
PW	AJ	Amato et al., Sintering of Pelleted Catalysts for Automotive Emission Control, pp. 187-197	
1	AK	Arai et al., Recent Progress in High-Temperature Catalytic Combustion, Catalysis Today, 10 (1991) pp. 81-94	
	AL	Arai et al., Thermal Stabilization of Catalyst Supports and their Application to High-Temperature Catalytic Combustion, Applied Catalysis A: General 138 (1996) pp. 161-176	
	AM,	Artizzu-Duart et al, Catalytic Combustion of Methane on Substituted Barium Hexaaluminates, Catalysis Today 59 (2000) pp. 163-177	
	AN	Beguin et al., Stabilization of Alumina by Addition of Lanthanum, Applied Catalysis 75 (1991) pp. 119-132	
	AO	Bish et al., Quantitative Phase Analysis Using the Rietveld Method, J. Appl. Cryst. (1998) 21, pp. 86-91	
	AP	Cai et al., Atomic Scale Mechanism of the Transformation of y-Alumina to O-Alumina, Physical Review Letters, Vol. 89, No. 23, (12/02/2002) pp. 235501-1 - 235501-4	
	AQ	Chen et al., High Temperature Thermal Stabilization of Alumina Modified by Lanthanum Species, Applied Catalysis A: General 205 (2001) pp. 159-172	
	AR	Dexpert-Ghys, Optical and Structural Investigation of the Lanthanum β-Alumina Phase Doped with Europium, Journal of Solid State Chemistry 19, (1976) pp. 193-204	
	AS	Farrington et al., The Lanthanide β" Alumina, Applied Physics A 32 (1983) pp. 159-161	
	AT	Groppi et al., Preparation and Characterization of Hexaaluminate-Based Materials for Catalytic Combustion, Applied Catalysis A: General, 104 (1993) pp. 101-108	
	AU	Jang et al., Catalytic Oxidation of Methane Over Hexaaluminates and Hexaaluminate-Supported Pd Catalysts, Catalysis Today 47 (1999) pp. 103-113	
	AV	Johansson et al., Development of Hexaaluminate Catalysts for Combustion of Gasified Biomass in Gas Turbines, Journal of Engineering for Gas Turbines and Power, Vol. 124 (04/2002) pp. 235-238	
	AW	Kato et al., Preparation of Lanthanum β-Alumina with High Surface Area by Coprecipitation, Journal of the American Ceramic Society, 70 [7] (07/1987) pp. C-157-159	-
1	AX	Levy et al., The Effect of Foreign lons on the Stability of Activated Alumina, Journal of Catalysis 9 (1967) pp. 76-86	

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Application Number	10/706,645	_				
Filing Date	November 12, 2003					
First Named Inventor	Charles R. Rapier	_				
Group Art Unit						
Examiner Name						
Attorney Docket Number	1856-42801(40183)					

	f	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate) title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issued number(s), publisher, city and/or country where published.	T²
MW	AY	Liu et al., Partial Oxidation of Methane over Nickel Catalysts Supported on Various Aluminas, Korean Journal of Chemical Engineering 19 (5) pp. 735-741 (2002)	
	AZ	Liu et al., Partial Oxidation of Methane over Ni/Ce-ZrO-/0-Al <sub>2</sub> O <sub>3</sub> , Korean Journal of Chemical Engineering 19(5) pp. 742-748 (2002)	
	BA	Machida et al., Effect of Additives on the Surface Area of Oxide Supports for Catalytic Combustion, Journal of Catalysts 103 (1987) pp. 385-393	
	ВВ	Machida et al., Analytical Electron Microscope Analysis of the Formation of BaO - 6Al <sub>2</sub> O <sub>3</sub> . Journal of American Ceramic Society 71[12] pp. 1142-47 (1988)	
	BC	Machida et al., Effect of Structural Modification on the Catalytic Property of Mn-Substituted Hexaaluminates, Journal of Catalysis 123 (1990) pp. 477-785	
	BD	Matsuda et al., 8th International Congress on Catalysis Volume 1V: Impact of Surface Science on Catalysis Structure-Selectivity/Activity Correlations New Routes for Catalyst Synthesis (pp. IV-879-889)	
	BE	Miao et al., Partial Oxidation of Methane to Syngas over Nickel-Based Catalysts Modified by Alkali Metal Oxide and Rare Earth Metal Oxide, Applied Catalysts A: General 154 (1997) pp. 17-27	
•	BF	Nair et al., Pore Structure Evolution of Lanthana-Alumina Systems Prepared through Coprecipitation, Journal of American Ceramic Society 83[8] (2000) pp. 1942-1946	
	BG	Oudet et al., Thermal Stabilization of Transition Alumina by Structural Coherence with LnAlO <sub>3</sub> (Ln = La, Pr, Nd), Journal of Catalysis 114, (1998) pp. 112-120	
	ВН	Rahkeev et al., Transition Metal Atoms on Different Alumina Phases: The Role of Subsurfaces Sites on Catalytic Activity, Physical Review B 67, 115414 (2003) pg. 4	
	BI	Rietveld, A Profile Refinement Method for Nuclear and Magnetic Structures, Journal of Appl. Cryst. (1969) 2, pp. 65-71	
	BJ	Roh et al., Partial Oxidation of Methane over Ni/0-Al <sub>2</sub> O <sub>3</sub> Catalysts, Chemistry Letters 2001 (pp. 666-667)	
	BK	Santos et al., Standard Transition Aluminas, Electron Microscopy Studies, Materials Research, Vol. 3 No. 4 (2000) pp. 104-114	
	BL	Schaper et al., The Influence of Lanthanum Oxide on the Thermal Stability of Gamma Alumina Catalyst Supports, Applied Catalysis 7 (1983) pp. 211-220	
	AM	Schaper et al., Thermal Stabilization of High Surface Area Alumina, Solid State Ionics 16 (1985) pp. 261-266	
V	AN	Seo et al., Experimental and Numerical Studies on Combustion Characteristics of a Catalytically Stabilized Combustor, Catalysis Today 59 (2000) pp. 75-86	

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				Group Art Unit	
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Sheet	4	of	4	Attorney Docket Number	1856-42801(40183)

	-	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS	
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N	ВО	Russell et al., Thermal Transformations of Aluminas and Alumina Hydrates, Industrial and Engineering Chemistry Vol. 42, No. 7 (1950) pp. 1398-1403	
	BP	Subramanian et al., Characterization of Lanthana/Alumina Composite Oxides, Journal of Molecular Catalysts, 69 (1991) pp. 235-245	
	BQ	Taylor, Computer Programs for Standardless Quantitative Analysis of Minerals Using the Full Powder Diffraction Profile, Powder Diffraction, Vol. 6, No. 1 (1991) pp. 2-9	
	BR	Tietz et al., Investigations on Lanthanide-ion-exchanged β and β"-Alumina, Journal of Alloys and Compounds, 192 (1993) pp. 78-80	
	BS	Tijburg et al., Application of Lanthanum to Psuedo-Boehmite and y-Al <sub>2</sub> O <sub>3</sub> ,, Chapman and Hall (1991) pp. 6479-6486	
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•	BU	Wu et al., Coupled Thermodynamic-Phase Diagram Assessment of the Rare Earth Oxide-Aluminium Oxide Binary Systems, Journal of Alloys and Compounds, 179 (1992) pp. 259-287	
<b>V</b>	BV	Zhou et al., Structures and Transformation Mechanisms of the n, y and 0 Transition Aluminas, International Union of Crystallography (1991) pp. 617-630	
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